

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

cell or cell type (e.g. the cells receptor expression profile). The present invention features a method of modulating (e.g. enhancing and/or inhibiting) adhesion of a target cell (e.g. endothelial cells, fibroblasts, macrophages, neutrophils and myofibroblasts) to a substrate (e.g., polyvinyl surfaces, gels, collagen, hyaluronic acid, titanium and PGA) which includes providing the cell with an adhesion modulatory peptide-associated substrate such that adhesion of the target cell to the substrate is modulated. The target cells of the present invention can be present in a cell population and/or in a subject (e.g., a human subject). ~~##~~

Please replace the paragraph on page 3, lines 20-31, with the following paragraph.

~~A~~The term "target cell includes" a cell (e.g., a mammalian cell) which is capable of binding or has the ability to bind to an adhesion-modulatory peptide or adhesion-modulatory peptide associated substrate of the present invention. In one embodiment, a target cell is present within a subject. In another embodiment, a target cell is isolated from a subject (e.g., a human subject). In yet another embodiment, the target cell is present with a cell population. The term "cell population" includes a collection or group including the target cell and at least a second cell type. Cell populations can also include three, four, five, six, or more cell types or can include any number of cell types greater than one (e.g., the target cell and additional undefined cell types). Preferred target cells include, but are not limited to endothelial cells, fibroblasts and macrophages. Additional preferred target cells include, but are not limited to neutrophils and myofibroblasts. ~~##~~